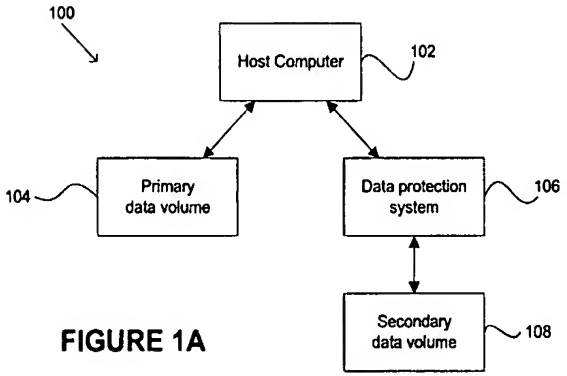


FIGURE 1A

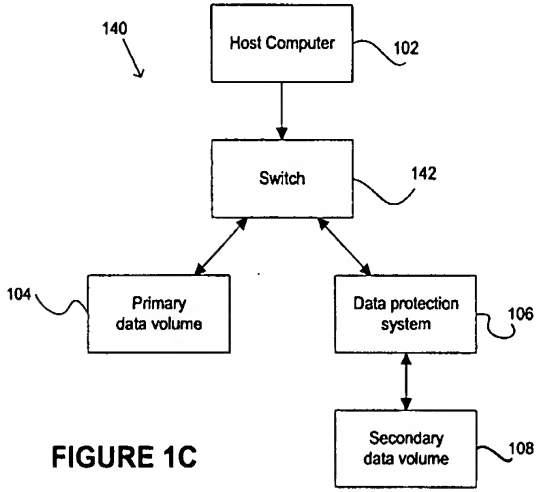


FIGURE 1C

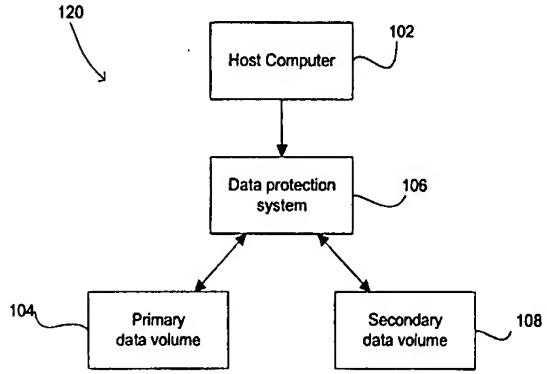


FIGURE 1B

DELTA MAP FORMAT
REGION/OFFSET/OFFSET ON SECONDARY/PHYSICAL DEVICE

-1 = no physical device usage

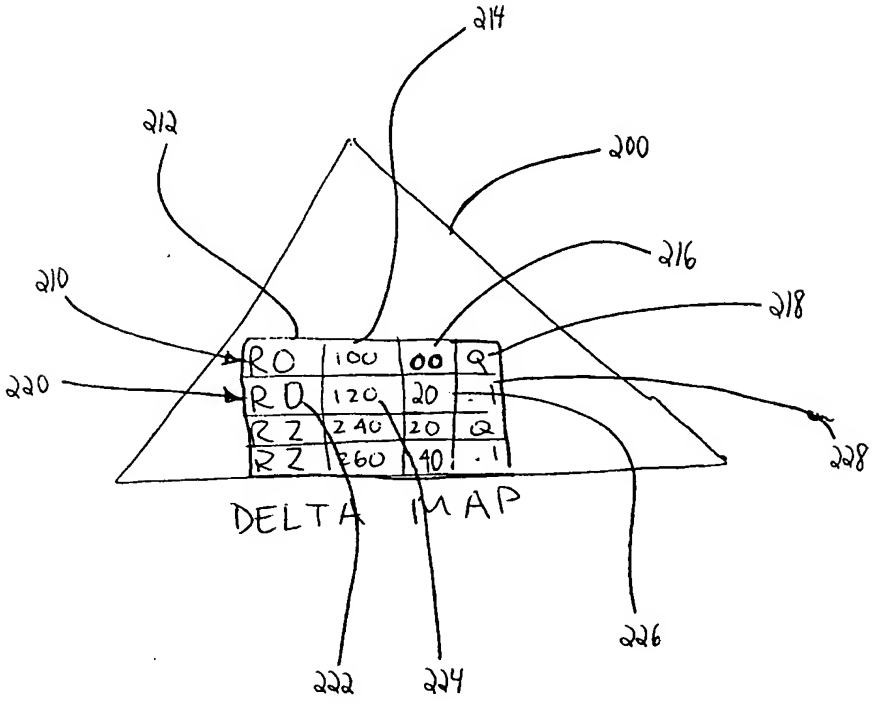


FIG. 2

FIGURE 3A

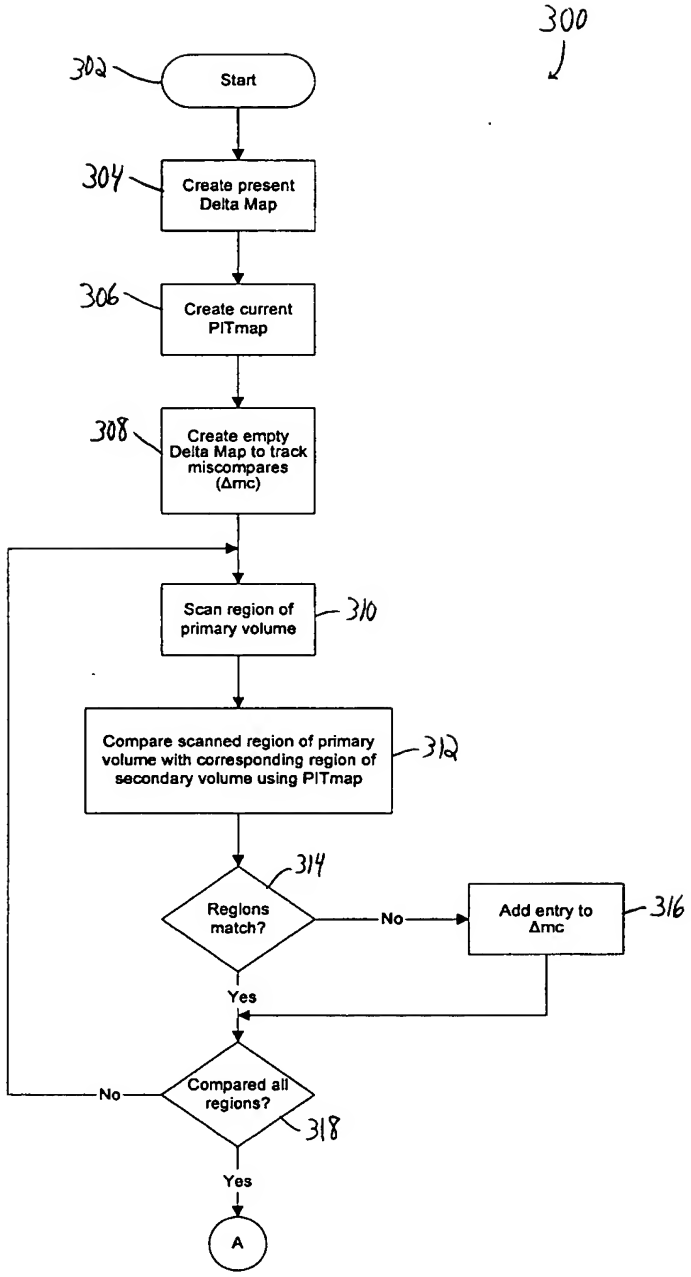

300
302
Start
304
Create present Delta Map
306
Create current PITmap
308
Create empty Delta Map to track miscompares (Δmc)
310
Scan region of primary volume
312
Compare scanned region of primary volume with corresponding region of secondary volume using PITmap
314
Regions match?
No
316
Add entry to Δmc
Yes
Compared all regions?
No
318
Yes
A

FIGURE 3B

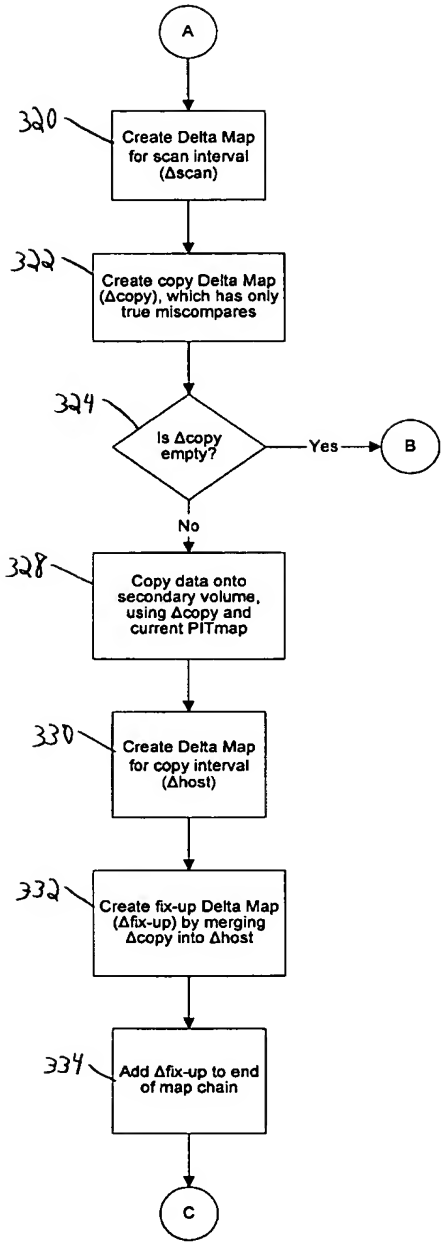
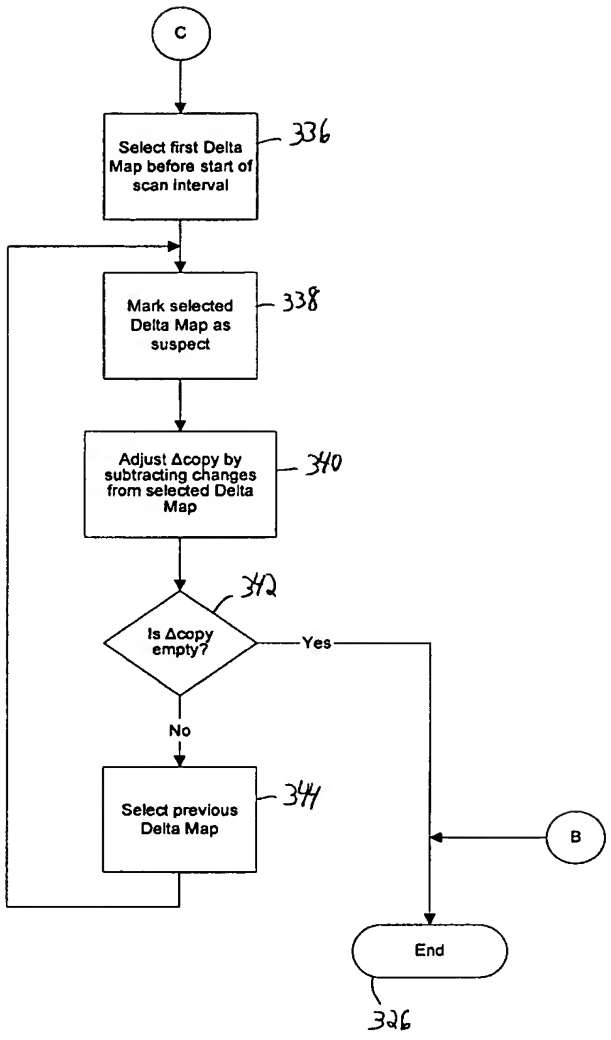

A
320
Create Delta Map for scan interval (Δscan)
322
Create copy Delta Map (Δcopy), which has only true miscompares
324
Is Δcopy empty?
Yes
B
No
328
Copy data onto secondary volume, using Δcopy and current PITmap
330
Create Delta Map for copy interval (Δhost)
332
Create fix-up Delta Map (Δfix-up) by merging Δcopy into Δhost
334
Add Δfix-up to end of map chain
C

FIGURE 3C


C
Select first Delta Map before start of scan interval
336
Mark selected Delta Map as suspect
338
Adjust Δcopy by subtracting changes from selected Delta Map
340
342
Is Δcopy empty?
Yes
No
Select previous Delta Map
344
B
End
326

Re-Baseline

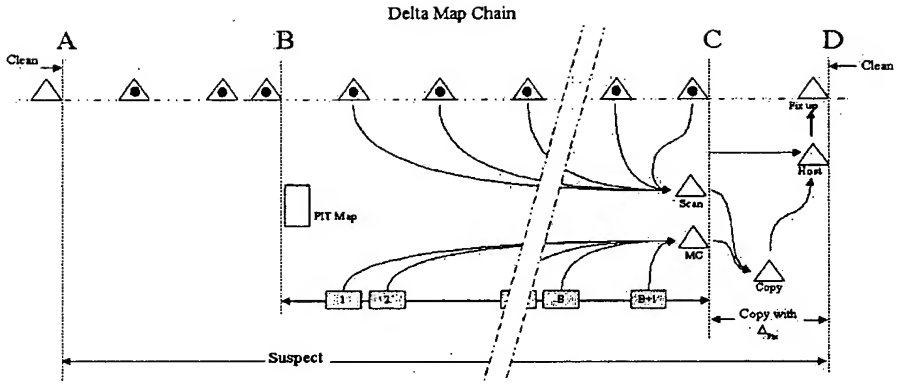


Figure 4

△ = suspect delta map